

## Ideation Phase

### Define the Problem Statements

Date	27 June 2025
Team ID	LTVIP2025TMID31454
Project Name	HEALTH AI USING IBM GRANITE
Maximum Marks	2 MARKS

#### Customer Problem Statement:

Create a problem statement to understand your customer's point of view. The Customer Problem Statement helps us focus on what matters to create experiences people will like. A well-articulated customer problem statement allows us to find the ideal solution for the challenges the customers face. Throughout the process, we will also be able to empathize with customers, which helps us better understand how they perceive our product or service.

#### References:

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A doctor	Accurately diagnose rare diseases	It's difficult to keep up with the vast and rapidly growing medical literature and symptom variations	The sheer volume of new research and complex patient data makes it impossible for a human to process efficiently, leading to potential misdiagnoses or delayed treatment.	Overwhelmed, frustrated, and concerned about patient outcomes
PS-2	A patient	Understand my personal health risks and preventive measures	The health information available is generic and not tailored to my specific genetic profile or lifestyle	Current health advice often relies on broad population data and doesn't leverage my individual health data (e.g., wearables, genetic tests) to provide personalized insights.	Confused, disempowered, and uncertain about how to improve my health effectively
PS-3	A hospital administrator	Optimize hospital resource allocation (e.g., bed availability, staffing) during peak seasons	Predicting patient influx and resource needs is challenging and often inaccurate	Traditional forecasting methods struggle with the dynamic and unpredictable nature of patient admissions and emergencies, leading to inefficiencies and potential shortages.	Stressed, financially strained, and worried about patient care quality

#### Explanation of the examples:

PS-1 (Doctor): Focuses on the challenge doctors face with information overload and the potential for misdiagnosis, where AI could assist with data analysis and pattern recognition.

PS-2 (Patient): Highlights the patient's desire for personalized health insights, where AI could process individual data for tailored recommendations.

PS-3 (Hospital Administrator): Addresses the operational challenges of resource management in hospitals, where AI could offer more accurate predictive analytics.